

In the Claims:

Please amend the claims as follows:

1-21 (cancelled)

22. (new) An electrically controlled broadband group antenna, comprising:

a plurality of antenna radiating elements arranged in a common plane, each antenna radiating element comprising a rotationally-symmetrical body arranged on an ground plane that is common to several of the antenna radiating elements, each body having an axis of rotation substantially perpendicular to the ground plane, each body having a shape that tapers toward the axis of rotation with increasing distance from the ground plane, each antenna radiating element being covered with a metallic casing surface; and

a feeder unit operatively connected to the antenna radiating elements.

23. (new) The group antenna according to claim 22, wherein the ground plane comprises recesses that separate the antenna radiating elements from each other and function electrically as open circuits.

24. (new) The group antenna according to claim 23, wherein the recesses comprise slots.

25. (new) The group antenna according to claim 22, wherein the antenna radiating elements are connected to the ground plane with a breakable connection.

26. (new) The ground antenna according to claim 25, wherein the breakable connection comprises a screw connection.

27. (new) The group antenna according to claim 22, further comprising:
a spacing sleeve arranged at a transition between each rotationally-symmetrical body and the ground plane.

28. (new) The group antenna according to claim 22, further comprising:
two cable bushes arranged in the ground plane for each antenna radiating element; and
a double-conductor arranged in each cable bush, a first of the double-conductors being attached to the antenna radiating element and a second of the double-conductors being attached to an adjacent antenna radiating element.

29. (new) The group antenna according to claim 28, wherein each double-conductor comprises a coaxial cable.

30. (new) The group antenna according to claim 22, wherein the antenna radiating elements are arranged in a rectangular grid.

31. (new) The group antenna according to claim 22, wherein the antenna radiating elements are arranged in a triangular grid.

32. (new) The group antenna according to claim 27, further comprising:
two cable bushes arranged in each spacing sleeve.
33. (new) The group antenna according to claim 22, wherein centers of adjacent antenna radiating elements are arranged at a distance of substantially half a wavelength for a highest working frequency of the group antenna.
34. (new) The group antenna according to claim 22, wherein the feeder unit comprises one or more microwave units that form the common ground plane.
35. (new) An antenna radiating element suitable for incorporation in an electrically controlled broadband group antenna, the antenna radiating element comprising:
a rotationally-symmetrical body tapering towards one end, wherein the rotationally-symmetrical body is covered with a metallic casing surface.
36. (new) The antenna element according to claim 35, wherein a second end of the body comprises means for removably attaching the body.
37. (new) The antenna element according to claim 36, wherein the means for removably attaching the body comprises part of a screw connection.
38. (new) The antenna element according to claim 35, wherein the rotationally-symmetrical body has substantially a conical shape.

39. (new) The antenna element according to claim 35, wherein the rotationally-symmetrical body is substantially a circular paraboloid.

40. (new) The antenna element according to claim 35, wherein the rotationally-symmetrical body comprises aluminum.

41. (new) The antenna element according to claim 35, wherein the rotationally-symmetrical body is hollow.

42. (new) The antenna element according to claim 35, wherein the rotationally-symmetrical body comprises a homogenous metallic material.

43. (new) The antenna element according to claim 35, further comprising:
a circular spacing sleeve is incorporated in association with a second end of the body.

44. (new) The antenna element according to claim 43, wherein the spacing sleeve comprises at least one cable bush including a first opening aligned in a radial direction of the spacing sleeve and a second opening aligned parallel with an axis of symmetry of the body and the sleeve.

45. (new) An antenna module, comprising:
a plurality of antenna elements each comprising a rotationally-symmetrical body tapering

towards one end, wherein the rotationally-symmetrical body is covered with a metallic casing surface.